

Goals and Objective of the Scientific, Technical and Modeling Peer Review Advisory Group

Air Quality Modeling

- Evaluate the performance of the latest air quality models (e.g., CALGRID, CAM_x, CMAQ, UAM) and chemistry modules (e.g., SAPRC99, CB-IV) and provide input to staff on Best Model/Chemistry combination for the South Coast region.
- Evaluate methods for applying latest air quality models for the new federal air quality standards of 8-hour ozone and 24-hour PM_{2.5} attainment demonstration.
- Evaluate the latest meteorological models for application in the South Coast Air Basin with state-of-the-art air quality models.
- Evaluate the selection of the most representative air quality episodes for modeling future air quality.
- Provide input on assessing modeling applications to address regional haze issues.

Socioeconomic Assessment

- Review and comment on socioeconomic studies and reports conducted by the AQMD and/or its consultants.
- Assist the AQMD in refining socioeconomic analysis.
- Update monetary benefit assessments of clean air to health and materials.